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EXAMINER	
MCLEAN, NEIL R	

ART UNIT	PAPER NUMBER
2625	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/814,842	HULL ET AL.	
	Examiner	Art Unit	
	Neil R. McLean	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *30 March 2004*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-27* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-27* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

Specification

1. The disclosure is objected to because it contains an embedded hyperlink and/or other form of browser-executable code. Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

Examiner is referring specifically to [0028] and [0029].

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-27 rejected under 35 U.S.C. 102(e) as being anticipated by Reese et al. (US 7,298,512).

Regarding Claim 1:

Reese et al. discloses a printer (FIG. 1 is a block diagram of a printing device) with an embedded multimedia server (The memory 105 and 120 of the present invention includes firmware that gives the printer ODBC capability and an embedded web server as described in Column 4, lines 1-3) comprising:

a chassis for housing a print engine (e.g., Printer Mechanism 115 of the printer shown in Figure 1 and described in Column 3, lines 40-50) for controlling printing to a plurality of storage media forms (The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory cards, or any other type of storage media as described in Column 3, lines 15-19),

including removable storage media forms (The storage media 120 may be fixed or removable shown in Figure 1 and described in Column 3, lines 19-20), the print engine being coupled to media holders (The Examiner perceives a media holder to be e.g., a tray and a tray is an inherent feature of a printer),

a multimedia server for interfacing with interfaces for multiple types of media content (e.g., Network Connection 110 is a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device as described in Column 3, lines 26-32), the multimedia server being communicatively coupled to the print engine (The storage media 120 can store the embedded web server as described in Column 3, lines 21-23; The controller 100 is also coupled to and controls the printer mechanisms 115 of the printer as described in Column 3, lines 40-42; The controller 100 is coupled to both the storage media 120 and the print mechanism 115 as shown in Figure 1),

a non-volatile memory (e.g., The storage unit 209 is comprised of large amounts of non-volatile memory (e.g., magnetic, optical, semiconductor) for storing data as described in Column 4, lines 39-41) for storing a database (The databases of the present invention can be stored in the computer's 203 memory, the memory of one of the printers/multifunction devices 201 and 207, or in a dedicated storage unit 209 as described in

Column 4, lines 36-39) of multimedia content selections, the database being communicatively coupled to the multimedia server (FIG. 3 illustrates a flowchart of one embodiment for a method for enabling a printing device to interact with a database), and

a user input device accessible on the printer chassis and being communicatively coupled to the multimedia server (e.g., An input device 125 such as a keypad, touch sensitive display (e.g., liquid crystal display, cathode ray tube), or other type of input device may be coupled to the controller 100 to enable a printer user/operator to input commands or data to the printer controller 100 from the printer control panel as shown in Figure 1 and described in Column 3, lines 52-57).

Regarding Claim 2:

Reese et al. discloses the printer of claim 1 further comprising:

a display accessible on the printer chassis and communicatively coupled to the multimedia server for displaying data under the control of the multimedia server (e.g., An input device 125 such as a keypad, touch sensitive display (e.g., liquid crystal display, cathode ray tube), or other type of input device may be coupled to the controller 100 to enable a printer user/operator to input commands or data to the printer controller 100 from the printer control panel as shown in Figure 1 and described in Column 3, lines 52-57).

Regarding Claim 3:

Reese et al. discloses the printer of claim 1 further comprising:

the media interface includes at least one network interface communicatively coupled to the multimedia server (e.g., The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet) as described in Column 3, lines 26-28);

the multimedia server including a web browser communicatively coupled to the network interface (The embedded web server enables the printer to provide a web page that allows users to interact with the printer in order to control and/or provide information that is to be entered into a database as described in Column 4, lines 11-14); and

the display displaying data under the control of the web browser (The output of these programs can then be displayed on a web browser for use by the printers user/operator as described in Column 1, lines 39-41).

Regarding Claim 4:

Reese et al. discloses the printer of claim 2 wherein the multimedia server further comprises a media content presenter for time based multimedia data (e.g., a JAVA program running on the embedded Virtual Machine generates the ODBC capability as described in Column 4, lines 3-5).

Regarding Claim 5:

The printer of claim 1 wherein the print engine further comprises a removable storage medium format writer for electronic storage mediums (e.g., The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory cards, or any other type of storage media. The storage media 120 may be fixed or removable as described in Column 3, lines 15-20).

Regarding Claim 6:

The printer of claim 5 wherein the medium format writer is a digital video disc (DVD) writer (e.g., The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory

cards, or any other type of storage media. The storage media 120 may be fixed or removable as described in Column 3, lines 15-20).

Regarding Claim 7:

The printer of claim 1 wherein the print engine further comprises a removable storage medium format writer for optical storage mediums (e.g., The printer may be comprised of additional memory such as storage media 120. The storage media memory 120 can include hard disk drives, floppy disk drives, optical drives, removable solid-state memory cards, or any other type of storage media. The storage media 120 may be fixed or removable as described in Column 3, lines 15-20).

Regarding Claim 8:

The printer of claim 1 wherein the media interface includes a video data interface (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 9:

The printer of claim 1 wherein the media interface includes an audio data interface (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32)..

Regarding Claim 10:

The printer of claim 1 wherein the media interface includes a pen data interface (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 11:

The printer of claim 1 wherein the media interface includes a video capture module (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 12:

The printer of claim 1 wherein the media interface includes an audio capture module (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32)..

Regarding Claim 13:

The printer of claim 1 wherein the media interface includes a pen capture module (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not

limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 14:

The printer of claim 1 wherein the media interface includes a network interface (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 15:

The printer of claim 1 wherein the media interface includes a wireless communications interface (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 16:

The printer of claim 1. wherein the media interface includes a USB port (The input/output (I/O) connections 110 include any network interface cards required to interface the printer to a network (e.g., Ethernet). In another embodiment, the network connection 110 is simply a USB port, IEEE 1394 port (FIREWIRE), infrared, or other type of port for coupling the printer to a host device. The present invention is not limited to any one type of network or I/O connection as described in Column 3, lines 26-32).

Regarding Claim 17:

The printer of claim 1 wherein the media interface includes a RJ11 port (For example, a multifunction device may incorporate additional functions such as copier and/or facsimile functions as described in Column 3, lines 65-67. The Examiner perceives an RJ11 port is an inherent feature of a facsimile function).

Regarding Claim 18:

The printer of claim 1 wherein at least one of the media holders is a bandolier configured for holding a removable storage medium (The Examiner perceives a media holder to be e.g., a tray and a tray is an inherent feature of a printer).

Regarding Claim 19:

The printer of claim 1 wherein the multimedia database comprises a music catalog (The databases of the present invention can include ORACLE, MS SQL, INFORMIX, and any other database management system for which and ODBC driver exists. The embodiments of the present invention are not limited to any one database or type of database as described in Column 4, lines 49-53).

Regarding Claim 20:

The printer of claim 1 wherein the multimedia database comprises a video database (The databases of the present invention can include ORACLE, MS SQL, INFORMIX, and any other database management system for which and ODBC driver exists. The embodiments of the present invention are not limited to any one database or type of database as described in Column 4, lines 49-53).

Regarding Claim 21:

The printer of claim 1 wherein the multimedia database comprises movies(The databases of the present invention can include ORACLE, MS SQL, INFORMIX, and any other database management system for which and ODBC driver exists. The embodiments of the present invention are not limited to any one database or type of database as described in Column 4, lines 49-53).

Regarding Claim 22:

The printer of claim 1 wherein the multimedia database comprises a digital photo catalog (The databases of the present invention can include ORACLE, MS SQL, INFORMIX, and any other database management system for which and ODBC driver exists. The embodiments of the present invention are not limited to any one database or type of database as described in Column 4, lines 49-53).

Regarding Claim 23:

In a printer (FIG. 1 is a block diagram of a printing device) with an embedded multimedia server (The memory 105 and 120 of the present invention includes firmware that gives the printer ODBC capability and an embedded web server as described in Column 4, lines 1-3), a method for processing multimedia content comprising:

performing multimedia content processing (FIG. 3 illustrates a flowchart of one embodiment for a method for enabling a printing device to interact with a database); and

outputting a content selection based on criteria (The embedded web server enables the printer to provide a web page that allows users to interact with the printer in order to control and/or provide information that is to be entered into a database. The information can include the database server name, database engine type, and database login information. Additionally, the web page might allow users to add additional ODBC data sources so that the printer could support proprietary or less popular database engines that are not already loaded in the printer memory as described in Column 4, lines 11-19).

Regarding Claim 24:

The method of claim 23 further comprising:

monitoring multimedia content based on criteria (The embedded web server enables the printer to provide a web page that allows users to interact with the printer in order to control and/or provide information that is to be entered into a database. The information can include the database server name, database engine type, and database login information. Additionally, the web page might allow users to add additional ODBC data sources so that the printer could support proprietary or less popular database engines that are not already loaded in the printer memory as described in Column 4, lines 11-19).

Regarding Claim 25:

The method of claim 23 further comprising:

indexing a content selection based on criteria; and

generating an index document for the content selection (The embedded web server enables the printer to provide a web page that allows users to interact with the printer in order to control and/or provide information that is to be entered into a database. The information can include the database server name, database engine type, and database login information. Additionally, the web page might allow users to add additional ODBC data sources so that the printer could support proprietary or less popular database engines that are not already loaded in the printer memory as described in Column 4, lines 11-19).

Regarding Claim 26:

The method of claim 23 further comprising:

maintaining a database of multimedia content selections (The databases of the present invention can include ORACLE, MS SQL, INFORMIX, and any other database management system for which and ODBC driver exists. The embodiments of the present invention are not limited to any one database or type of

database as described in Column 4, lines 49-53).

Regarding Claim 27:

The method of claim 23 further comprising:

printing a content selection based on user defined criteria (FIG. 3 illustrates a flowchart of one embodiment for a method for enabling a printing device to interact with a database. The information to be stored in the database is first input to the printing device 301. A scanner portion of a multifunction device that scans in the information can be used to input the information).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tateyama et al. discloses an information processing apparatus which incorporates a printer unit therein.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neil R. McLean whose telephone number is 571. 270.1679. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler Lamb can be reached on 571.272.7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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